

# Wave Systems Problems sheet

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|--------------------------|-------------------------------------|-----------------------|--|
| AS 90520<br>Wave systems | Superposition                       |                       |  |
|                          | Standing waves in strings           | P 64 no 6<br>P 70 no2 | P 75 no 8,9                                      |
|                          | Standing waves in tubes             | P 64 no 3, 5          | P 76 no 10, P 80 no 4e<br>P 81 no 5              |
|                          | Beats                               | P 71 no 4 f           | P 72 no 6,7                                      |
|                          | Twin source interference            | P 54 no 1, 4          |  |
|                          | Diffraction and diffraction grating | P 57 no 1,3,4         | P 82 no 1<br>P2 96 no 1, 4a<br>P 98 no 5 c, d, e |
|                          | Doppler                             | P 77 no 2<br>P78 no 6 | P 94 no 10<br>P 99 no 6 a, c                     |